

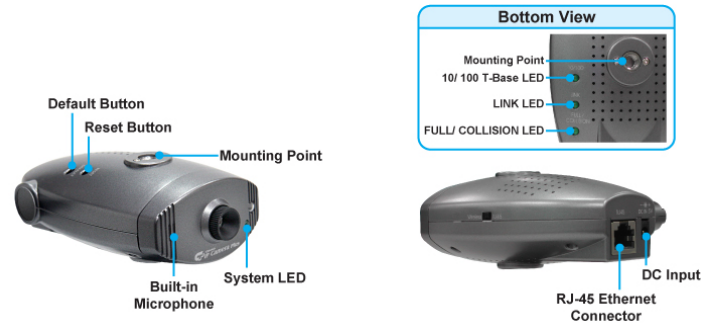
Grand IP/ Wi-Fi Camera Plus

Feb 24, 09
34457000

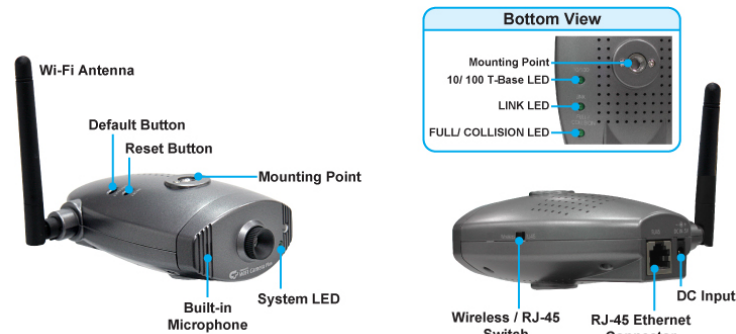
QUICK GUIDE

1. Hardware Overview

Grand IP Camera Plus



Grand Wi-Fi Camera Plus



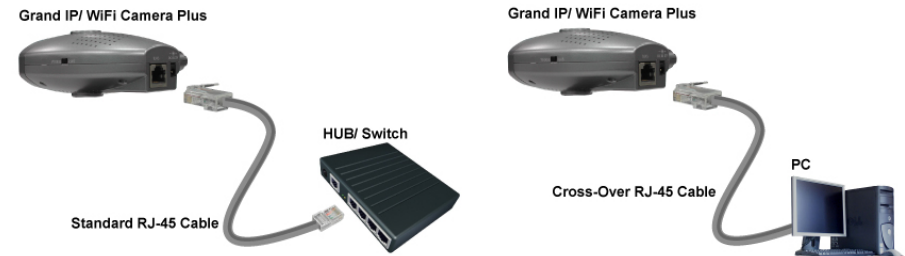
Night Version (optional)

Supports 6-LED infrared for night vision.



2. Connecting to a Network

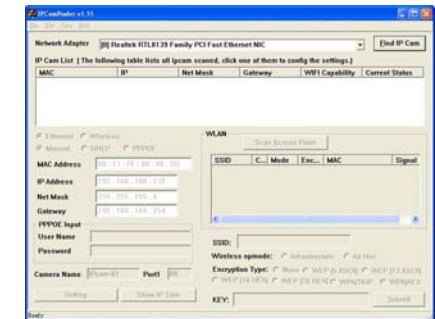
Connect the Grand Wi-Fi / IP Camera Plus to an Ethernet hub or switch by using a standard cable. You can also connect directly to a computer by using the cross-over provided.



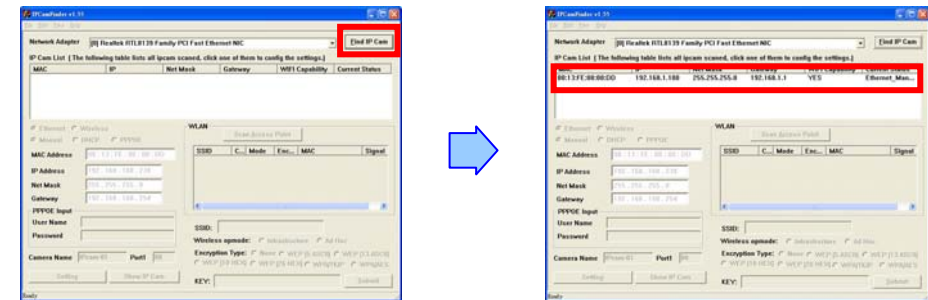
3. Network Installation

Confirm that the camera is already connected to the network.

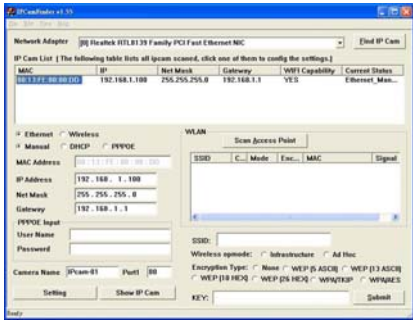
Step 1: Execute the “Setup.exe” to install the “IPCamFinder” software in the CD driver. Execute the “IPCam Setup” on the desktop, and the following screen is displayed.



Step 2: Click the “Find IP Cam” button, and your camera’s MAC, default IP Address, Net Mask and Gateway will be listed.

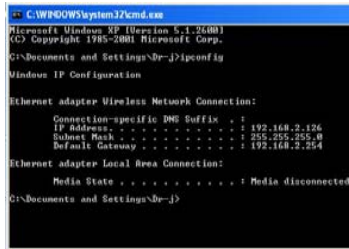


Step 3: Click on the “MAC”, and the “IP Address”, “Net Mask” and “Gateway” will be displayed below.



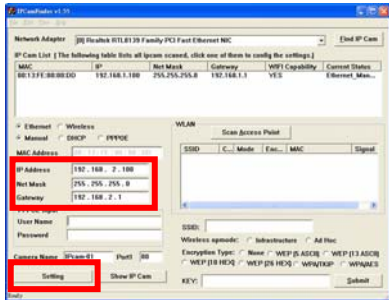
NOTE: The IP Address, Net Mask and Gateway must be corresponding with your network settings for you to access the camera. You can follow the steps below to get your network information.

- Click “Start” → “All Programs” → “Accessories” → “Command Prompt”. A MS-DOS window will appear. Type “ipconfig” and then press “Enter” to get your network information.

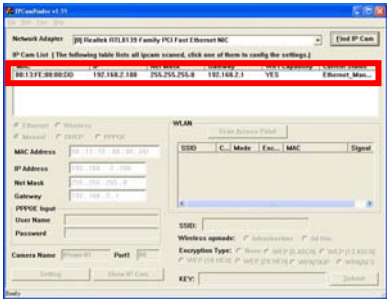


- Assign IP Address, Netmask (Subnet Mask) and Gateway (Default Gateway) for the Grand Wi-Fi/ IP Camera Plus. (You must use the same Net Mask (ex. 255.255.255.0) and Gateway (192.168.2.254). You can use any IP address between 192.168.2.1-254, but make sure that the IP Address has never been used or is used by another IP addressable device.)

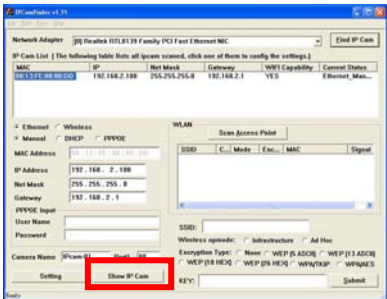
Step 4: Directly modify the “IP Address”, “Net Mask” and “Gateway”, and click “Setting” to save.



Step 5: Click the “Find IP Cam” button again, and the new network information will be listed.



Step 6: Select the “MAC” and click the “Show IP Cam” button to connect the Grand Wi-Fi/ IP Camera Plus.



Step 7: When the login screen appears, enter the user name and password (default user name: root, default password: admin), and click the “OK” button to login your camera.



PS. Please consult the “User Manual.doc” in Driver CD for more detail.

GRAND Wi-Fi / IP CAMERA PLUS

Video & Audio Transmission/ Low Lux Display/ Bundle DivX (model 2)

User's Manual

ISSUE : 02/25/09



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1. Package Contents

This package contains the following items :



Grand IP/ Wi-Fi
Camera Plus



Quick
Guide



RJ-45
Cable



Power Adapter
(DC 5V, 2A)



Mounting
Bracket



Mounting
Screws



CD
Driver

- Grand IP/ Wi-Fi Camera Plus
- Quick Guide
- RJ-45 Cable
- Power Adapter (DC 5V, 2A)
- Mounting bracket
- Mounting Screws
- CD-ROM with user manual/ software (IP Detect)/ Surveillance software (model 2)

2. Introduction

The Grand Wi-Fi / IP Camera Plus is a full featured network camera. You can use internet explorer to remotely view and listen in your property or your children when away from home. By using your internet explorer, you can even control the Grand Wi-Fi / IP Camera Plus to modify its digital zoom (15level) to bring objects of interest into close view.

Choose the Grand Wi-Fi / IP Camera Plus to enhance safety and security at your home or office.

3. System Requirements

- Router (with DDNS or PPPoE function) is required
- 10Base-T Ethernet or 100Base TX Fast Ethernet
- Pentium 800 MHz or Equivalent or above.
- 64M RAM or above
- VGA card with 8MB memory or above
- Microsoft DirectX 9

4. Product Features

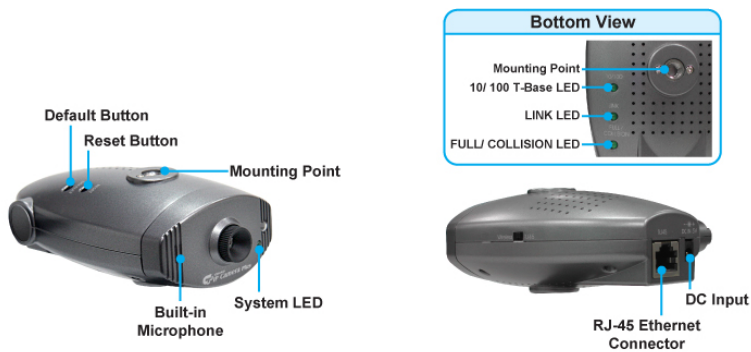
- 1/4" Low Lux CMOS VGA Sensor (Omni Vision)
 - Built-in microphone for remotely listen in.
 - Supports 15 level digital zoom in function.
 - Supports IE recording function (AVI format).
 - High Resolution Image Processor. (640 x 480 、 320 x 240 、 176 x 144)
 - Supports up to 30 frames per second in QCIF or QVGA mode.
 - Supports IP Address Hidden Function.
 - Supports Motion Detected Mail Function.
 - Supports Multi-Language: English/ Spanish/ Portuguese/ Dutch/ German/ Italian/ Russian/ French/ Japanese/ Traditional Chinese.
 - Supports Multiple Network Protocol: NTP/ SMTP/ FTP/ DHCP/ PPPOE/ DDNS/ UPnP.
 - Compatible with Windows 2000/ ME/ XP/ Vista & Linux OS.
- PS. 1.The **IE Recording** function is not available in Windows Vista.
2. The **Remote Listen In, IE Recording, Digital Zoom In (Out)** and UPnP functions are not available in Linux OS.
- Supports iPhone Web Browser (supports remote view, snapshot and setting function).
 - Supports 6-LED infrared for night vision (optional).

Bundled Surveillance Software with the following functions (only for model 2)

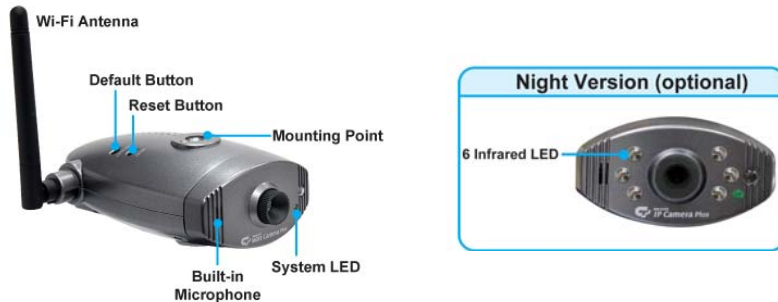
- Supports 4/ 9/ 16 cameras preview and record in DivX format (v6.5.1).
- Video File Management: Video file database and playback control.
- Storage Recyclable: When running out of disk space, files with the earliest date will be overwrite automatically.
- Motion Detection: Detect any movement in the mask area and invoke the alarm as soon as movement is detected.
- Multi-Languages OSD: English/ French/ German/ Italian/ Dutch/ Spanish/ Russian/ Japanese/ Traditional Chinese.
- Compatible with **Windows 2000, XP and Vista.**

5. Hardware Overview

5.1 Grand IP Camera Plus



5.2 Grand Wi-Fi Camera Plus



- **Default Button:** Reset all settings to the original (factory) setting.
(Default IP Address: 192.168.1.100, Default User Name: root, Default Password: admin)
- **Reset Button:** Press the button to restart the camera.
- **Built-in Microphone:** For remotely listen in.
- **System LED:** Steady green indicates a proper connection to the power supply.
- **DC Input:** Connects to the power adapter. (DC 5V, 2A)
- **RJ-45 Ethernet Connector:** For connects to 10Base-T Ethernet cabling or 100Base-TX Fast Ethernet cabling.
- **Wireless/ RJ-45 Switch:** Select your network connection Wireless/ RJ-45.
- **10/ 100 T-Base LED:** Steady green indicates the camera is connecting to 100Base-TX Fast Ethernet.
- **LINK LED:** Steady green indicates the camera is connecting to the LAN.
- **FULL/ COLLISION LED:** Steady green indicates the camera is connecting to the LAN. The will begin to flash to indicate that the camera is transmitting.
- **Night Version (optional):** Supports 6-LED infrared for night vision.

6. Hardware Installation

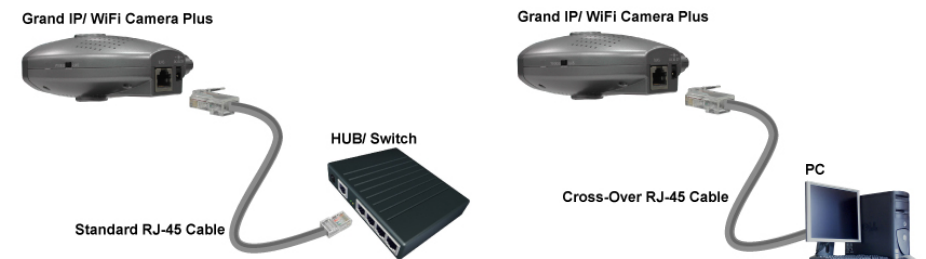
6.1 Assembling the Stand

- Use the three screws and plugs provided to fix the stand bracket to a wall.
- The stand can be adjusted to allow the camera a full 360° of rotation and a pan and tilt action.



6.2 Connecting to a Network

- Connect the Grand Wi-Fi / IP Camera Plus to an Ethernet hub or switch by using a standard cable. You can also connect directly to a computer by using the cross-over cable provided.

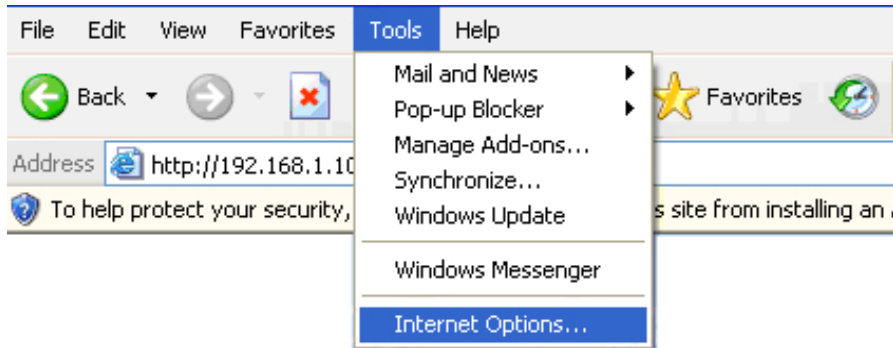


6.3 Internet Browser Settings

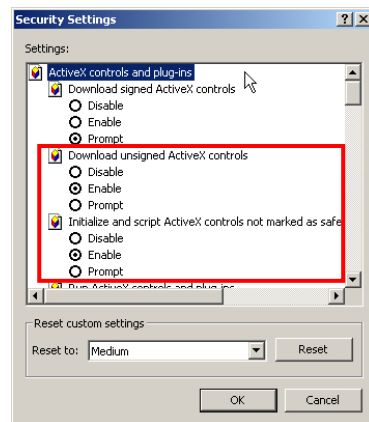
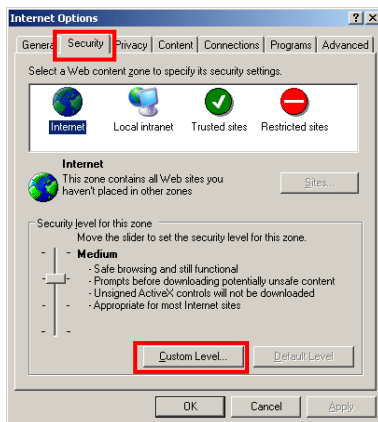
NOTE: Your browser must be enabled the ActiveX for connect to the Grand IP/ Wi-Fi Camera Plus first time.

Step 1: Start the internet browser.

Step 2: Click the “Tools” at the top of the screen, and select “Internet Options...”.

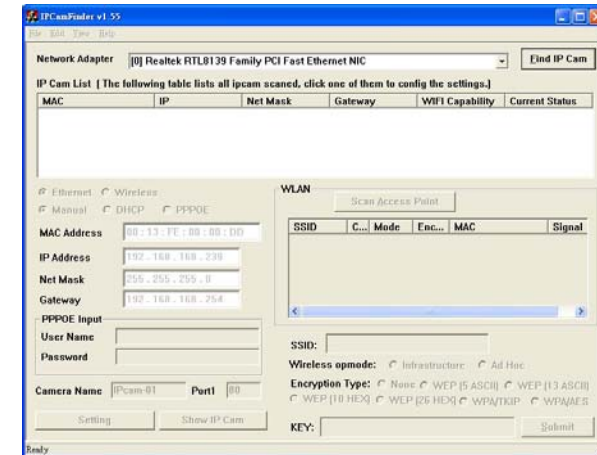


Step 3: Select the “Security” tab, and click the “Custom Level”. Set to “Enable” or “Prompt” on the “Download unsigned ActiveX controls” and “Initialize and script ActiveX controls not marked as safe” items.

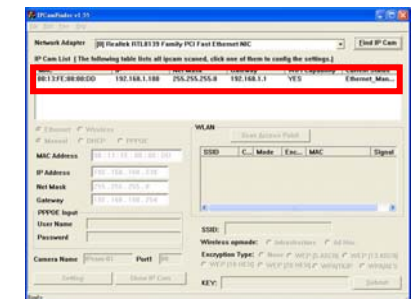
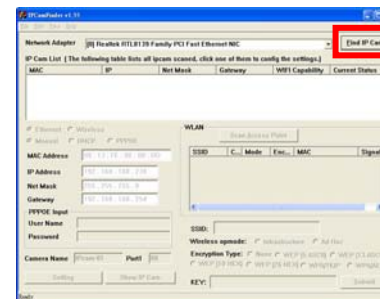


7. Network Installation

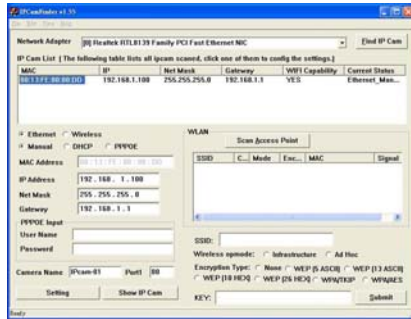
Step 1: Execute “Setup.exe” to install the “IPCamFinder” software in the CD driver. Execute the “IPCam Setup” on the desktop, and the following screen is displayed:



Step 2: Click the “Find IP Cam” button, and your camera’s MAC, default IP Address, Net Mask and Gateway will be listed.

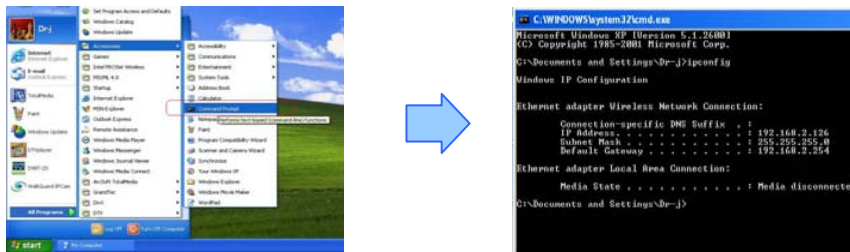


Step 3: Click on the “MAC”, and the “IP Address”, “Net Mask” and “Gateway” will be displayed below.



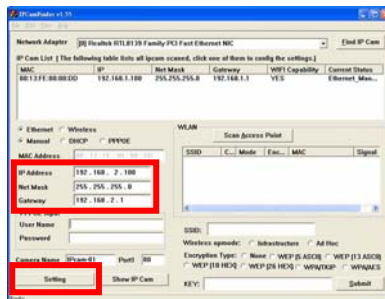
NOTE: The IP Address, Net Mask and Gateway must be corresponding with your network settings for you to access the camera. You can follow the steps below to get your network information.

- Click “Start” → “All Programs” → “Accessories” → “Command Prompt”. A MS-DOS window will appear. Type “ipconfig” and then press “Enter” to get your network information.

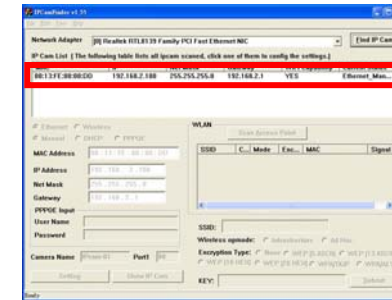


- Assign IP Address, Netmask (Subnet Mask) and Gateway (Default Gateway) for the Grand Wi-Fi/ IP Camera Plus. (You must use the same Net Mask (ex. 255.255.255.0) and Gateway (192.168.2.254). You can use any IP address between 192.168.2.1-254, but make sure that the IP Address has never been used or is used by another IP addressable device.)

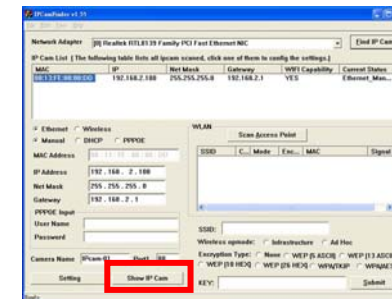
Step 4: Directly modify the “IP Address”, “Net Mask” and “Gateway”, and click “Setting” to save.



Step 5: Click the “Find IP Cam” button again, and the new network information will be listed.



Step 6: Select the “MAC” and click the “Show IP Cam” button to connect the Grand Wi-Fi/ IP Camera Plus.

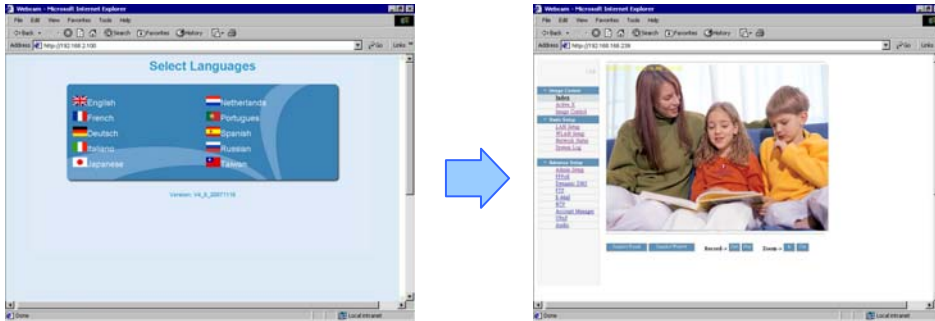


Step 7: When the login screen appears, enter the user name and password (default user name: root, default password: admin), and click the “OK” button to login your camera.



8. Using the Configuration Menu

After login the camera, the “Select Languages” window will appear. Select your language and open up the main page.

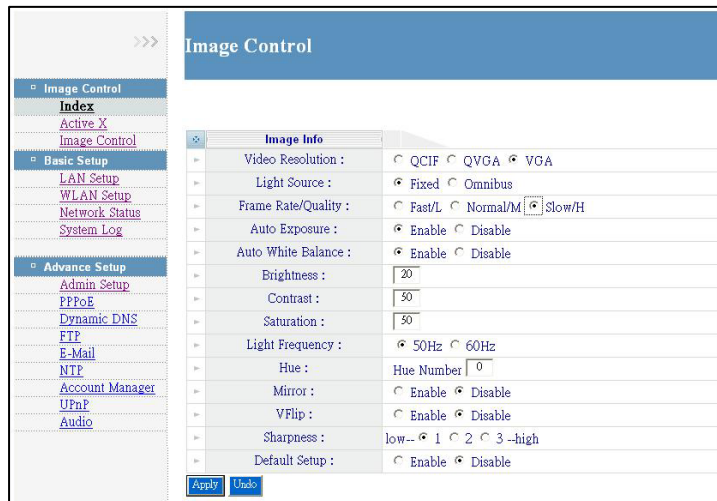


8.1 Image Control

8.1.1 Index: Display a demo image (static image).

8.1.2 ActiveX: Click the “ActiveX” to display image (live video) from any menu.

8.1.3 Image Control



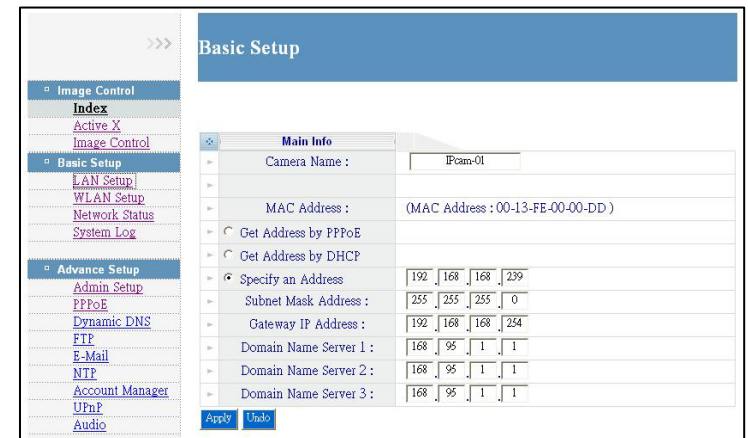
- **Video Resolution:** Select the video resolution among QCIF (176x144)/ QVGA (320x240)/ VGA (640x480).
- **Light Source:** Set the light source to Fixed (for light environment) or Omnibus (for dim environment).
- **Frame Rate/ Quality:** Frame Rate/ Quality selection (If the frame rate more than network bandwidth, the video will be lag or damage).

- **Auto Exposure:** Enable/ disable the auto exposure function.
- **Auto White Balance:** Enable/ disable the auto white balance function.
- **Brightness:** Adjust the brightness of the image.
- **Contrast:** Adjust the contrast of the image.
- **Saturation:** Adjust the saturation of the image.
- **Light Frequency:** Select your frequency (50Hz/ 60Hz).
- **Hue:** Adjust the hue of the image.
- **Mirror:** Horizontally rotate the video.
- **VFlip:** Vertically rotate the video.
- **Sharpness:** Sharpness selection.
- **Default Setup:** Select “Enable” and click “Apply” to restore factory default settings.

NOTE: Click “Apply” to confirm your settings.

8.2 Basic Setup

8.2.1 LAN Setup



- **Camera Name:** Display the camera name, you can rename directly in the field.
- **MAC Address:** Display the MAC address of camera.
- **Get Address by PPPoE:** If your camera via PPPoE dial up to internet, select the function and complete the settings of PPPoE (refer to 8.3.2).
- **Get Address by DHCP:** If you have a DHCP-enabled router, please select the function, then the router will automatically assigns an IP address to the camera.
- **Specify an Address:** If the camera is connected to a network without a DHCP server, type the fixed IP Address, Subnet Mask Address, Gateway IP Address and Domain Name Server for the camera.

NOTE: Click “Apply” to confirm your settings after setting.

8.2.2 WLAN Setup (only for Grand Wi-Fi Camera Plus)

Wireless Setup

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Active X

Image Control

Basic Setup

LAN Setup

WLAN Setup

Network Status

System Log

Advance Setup

Admin Setup

PPPoE

Dynamic DNS

FTP

E-Mail

NTP

Account Manager

UPnP

Audio

Main Info

Wireless opmode: ☐ Ad Hoc ☒ Infrastructure

Rate: ☐ Fixed Rate ☒ Full Rate

SSID: default

Encryption Type: ☐ None ☐ WEP (5 ASCII) ☐ WEP (13 ASCII) ☐ WEP (10 HEX) ☐ WEP (26 HEX) ☐ WPA/TKIP ☐ WPA/AES

KEY: *****

MAC Address: (MAC Address: ??-??-??-??-??-??)

☐ Get Address by PPPoE

☐ Get Address by DHCP

☒ Specify an Address

Subnet Mask Address: 255.255.255.0

Gateway IP Address: 192.168.1.1

Domain Name Server 1: 168.95.1.1

Domain Name Server 2: 168.95.192.1

Domain Name Server 3: 0.0.0.0

Apply Undo

Wireless mode:

- **Ad Hoc:** Connect directly to a computer in a peer-to-peer environment.
- **Infrastructure:** By using an AP (Access Point) or a wireless router to connecting the WLAN.

Rate: Select the wireless rate Fixed Rate/ Full Rate.

SSID: SSID is a name to identify a wireless network. You can enter SSID name manually.

Encryption Type: Select the Encryption Type.

Key: To connect to an encrypted wireless device, the password you enter here must match the password of the device exactly.

MAC Address: Display the MAC address of camera.

Get Address by PPPoE: If your camera via PPPoE dial up to internet, select the function and complete the settings of PPPoE (refer to 8.3.2).

Get Address by DHCP: If you have a DHCP-enabled router, please select the function, then the router will automatically assigns an IP address to the camera.

Specify an Address: If the camera is connected to a network without a DHCP server, type the fixed IP Address, Subnet Mask Address, Gateway IP Address and Domain Name Server for the camera.

NOTE:

1. Click “Apply” to confirm your settings.

2. If you want to use the wireless network connection, you must change the Wireless/RJ-45 switch (on the right side of the Grand Wi-Fi Camera Plus) to the wireless mode after setting the WLAN Setup.

8.2.3 Network Status: Display the current information of network.

Network Status

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Active X

Image Control

Basic Setup

LAN Setup

WLAN Setup

Network Status

System Log

Advance Setup

Admin Setup

PPPoE

Dynamic DNS

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E-Mail

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Account Manager

UPnP

Audio

Main Info

Use ethernet/wireless: ethernet

IP Address: 192.168.1.239

Network Mask: 255.255.255.0

Default Gateway: 192.168.1.254

Domain Name Server 1: 168.95.1.1

Domain Name Server 2: 168.95.1.1

Domain Name Server 3: 168.95.1.1

Reload

8.2.4 System Log: List the information of connection logged (IP Address, MAC Address and Login Time). Click the “Reload” to load the latest information.

System/Client Logs

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Active X

Image Control

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WLAN Setup

Network Status

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Audio

Main Info

Main Info	IP Address	MAC Address	Time
System Boot			1/1/2005 8:0
Information			1/1/2005 8:0
Information			1/1/2005 8:0
Information			1/1/2005 8:0
Information			1/1/2005 8:0
Information			1/1/2005 8:0
Information			1/1/2005 8:0
New client	192.168.168.85	00:0C:76:81:59:1A	11/13/2007 10:6

Reload

8.3 Advance Setup

8.3.1 Admin Setup

Main Info	
Product Name :	IPCam
Version :	V4_0_20071119
Administrator Password :	
Password Change :	
Password Confirm :	
MAC Address :	00 13 FE 00 00 DD
Reset Device :	☐ Yes ☒ No
Factory Defaults :	☐ Yes ☒ No
Port Number1 :	80
Port Number2 :	8888
Ping Service :	☒ Yes ☐ No
Video with password :	☒ Yes ☐ No
Firmware Update :	LINK

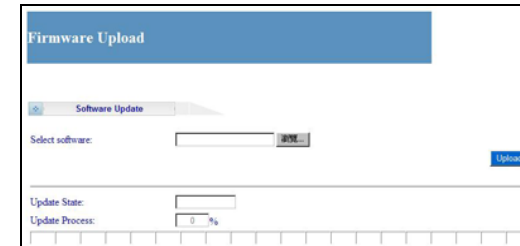
- **Product Name:** Display the camera's name.
- **Version:** Display the firmware version of camera.
- **Administrator Password:**
 - **Password Change:** Enter the new administrator password to access the camera.
 - **Password Confirm:** Confirm the new password, enter it again.
- **MAC Address:** Display the MAC address of camera.
- **Reset Device:** Select “Yes” and click the “Apply” to restart the camera.
- **Factory Default:** Select “Yes” and click the “Apply” to restore factory default settings.
- **Port Setting:** You can change the port number if using multiple cameras (Port Number 1: Defaulted as 80, Port Number 2: Defaulted as 8888).

NOTE: You must also set up your router to open the ports of cameras for remote access the cameras via internet (refer to your router's user manual for how to open up ports).

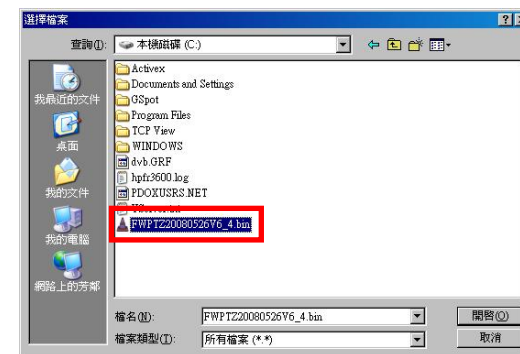
- **Ping Service:** Select “No” to hide the IP address. (prevent the ping command)
- **Video with password:** Select “Enable”, and you can login the camera without password.

- **Firmware Update:** Search the latest firmware and update automatically.

Step 1: Click on the **LINK** button to open the **Firmware Upload** page.



Step 2: Click on the **Browser** button, and there will pop up a dialogue box for you to choose the firmware.



Step 3: After choosing the firmware, click the **Upload** button for uploading the file. When the process is done, there will pop up a message to tell you that the update is completed and ask you for rebooting the camera.



Notice: You should **NOT** power off or remove the cable from the camera before the process is completed. For that will damage your camera and make some hardware errors on it.

8.3.2 PPPoE:

The Grand Wi-Fi/ IP Camera Plus can directly connect to the ADSL. It should be setup on the LAN environment to setup the PPPoE information before connecting to the ADSL modem.

- **PPPoE:** Enable/ disable the PPPoE function.
- **User Name:** Enter the PPPoE account provided by the ISP
- **Password:** Enter the password provided by the ISP.
- **PPPoE Management:** If the ADSL modem and the camera are connected and after the information of PPPoE are set, the current PPPoE status will be displayed.

NOTE: Click “Apply” to confirm your settings.

8.3.3 Dynamic DNS: If you are using a DDNS connection, enable the DDNS function and enter domain name, User Name and Password.

NOTE: Click “Apply” to confirm your settings.

8.3.4 FTP: Upload the motion-detected images to FTP server.

- **Enable:** Enable/ disable the FTP function.
- **Server URL:** Enter the domain name or IP address of the FTP server.
- **User:** Enter the user name of the FTP server.
- **Password:** Enter the password of the FTP server.
- **Remote Path:** Enter the folder path to store the images on the FTP server.
- **Interval Sec:** Set the interval time to upload the image.
- **Enable file name:** If you select “Disable”, the latest image will replace the original image.
- **File name:** Set the file name of the image.

NOTE: Click “Apply” to confirm your settings.

8.3.5 E-Mail: Capture and e-mail the image.

- **Enable:** Enable/ disable the E-mail function.
- **Mail Server:** Enter the domain name or IP address of the Mail server (POP3).
- **Sender's Address:** Enter the e-mail address of the sender.
- **Recipient's Address:** Enter the e-mail address of the recipient.
- **Subject:** Enter the subject of the mail.
- **User ID:** Enter the user name of the Mail server.
- **Password:** Enter the password of the Mail server
- **Interval In Minute:** Set the interval time to mail the image.
- **Motion send Mail:** Send the mail with image while sensing approaching subjects (refer to page 17 for set the motion detection sensitivity).

NOTE: Click “Apply” to confirm your settings.

8.3.6 NTP

- **Enable Time Zone:** Enable/ disable the **Time Zone** function.
- **Time Zone:** Local time zone selection. (the **Time Zone** function must be enabled)
- **Enable Time Server:** Enable/ disable the NTP server function.
- **Time Server IP:** Enter the domain name or IP address of the NTP server.
- **Set Time:** Enable/ disable the manually set time function.
- **Date:** Display the current time, you can set the time manually.

PS: If you use the NTP server function, please disable the Set Time (manual) function.

NOTE: Click “Apply” to confirm your settings.

8.3.7 Account Manager: Set up the users and administrators for the camera (provides 3 layers: administrator/ User/ Guest).

8.3.8 UPnP: The Grand Wi-Fi/ IP Camera supports UPnP function. If your operating system is UPnP enabled, the device will easier to configure. (If your operating system is Windows 98/ 2000, UPnP is unavailable.)

- **Enable UPnP:** Enable/ disable the UPnP function.

NOTE: Click “Apply” to confirm your settings.

8.3.9 Audio

- **Enable Audio:** Enable/ disable the Audio function.
- **Boost:** Enter the domain name or IP address of the NTP server.
- **MIC Volume:** Enter the value of microphone volume.

NOTE: Click “Apply” to confirm your settings.

8.3.10 Motion

- **Sensitivity:** Set the motion detection sensitivity (High/ Normal/ Low).

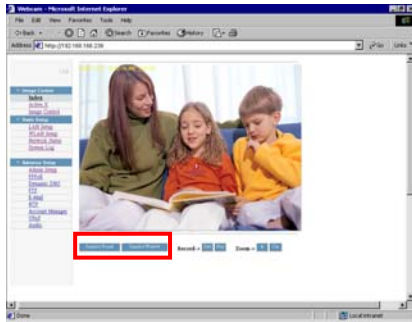
NOTE: Click “Apply” to confirm your settings.

8.4 Snapshot Function

8.4.1 Snapshot E-mail: Click the “Snapshot E-mail” to send an e-mail with the current image.

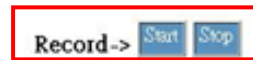
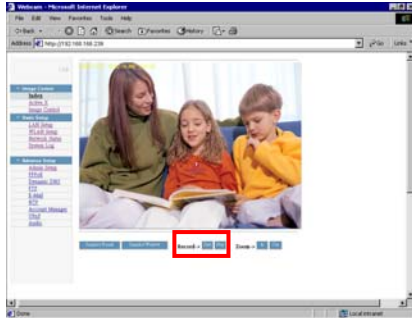
NOTE: Confirm the Mail Server has been set (refer to 8.3.5).

8.4.2 Snapshot Window: To open a browser window and display the current image. You can Right Click on the screen and save the image.



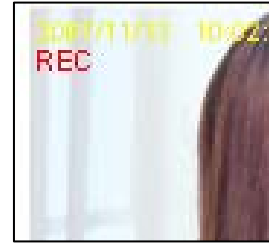
8.5 Image Recording

Step 1: Click “Start”, and the “REC SETTING” window will appear. Enter the folder path, and click the “Start to Record” button to start recording (AVI format).



REC SETTING

Step 2: The “REC” will appear on right-up position of the image when recording, you can click “Stop” to stop recording.

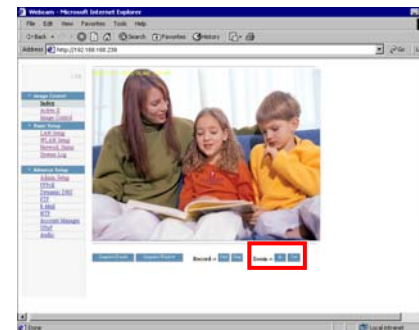


Step 3: The recording files (AVI format) can be played by Windows Media Player program. These files are named as yyyy_mm_dd_hh_mm_ss_ms.avi.

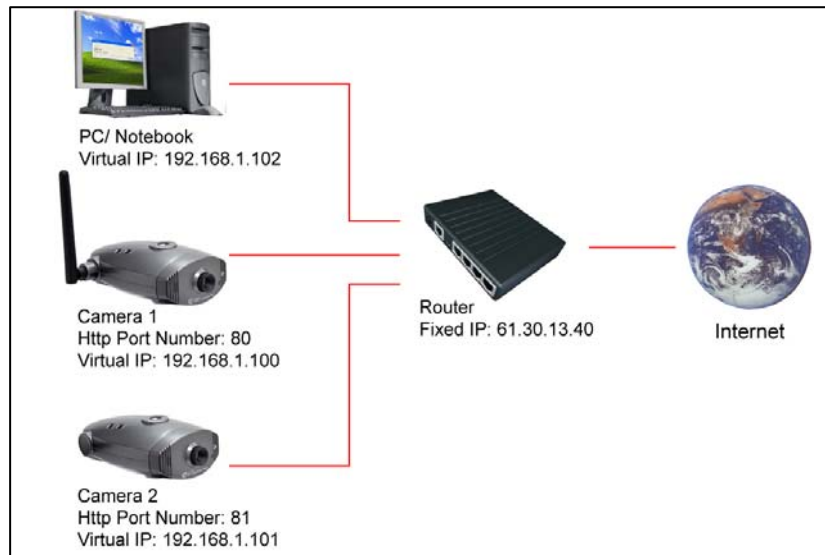
NOTE: Do not adjust the image settings (ex. resolution, quality, brightness or contrast) while recording, otherwise the recording file may be error.

8.6 Zoom In (Out) Function

Click the **Zoom In/ Out** button to digital zoom the image. (up to 15 level)



9. Connecting Multiple Cameras to a Router



Step 1: Assign a local IP Address and Http Ports for your cameras (confirm the cameras settings corresponding to your network settings; you must use the same gateway and Subnet Mask).

Step 2: Set up the router to open the ports of cameras for remote access the cameras via internet (refer to your router's user manual for how to open up ports).

Step 3: Accessing your cameras.

- Access on local network

Enter "http:// 192.168.1.100" to access the camera 1; enter "http:// 192.168.1.101" to access the camera 2.

- Access from the internet

Enter "http:// 61.30.13.40:80" to access the camera 1; enter "http:// 61.30.13.40:81" to access the camera 2.

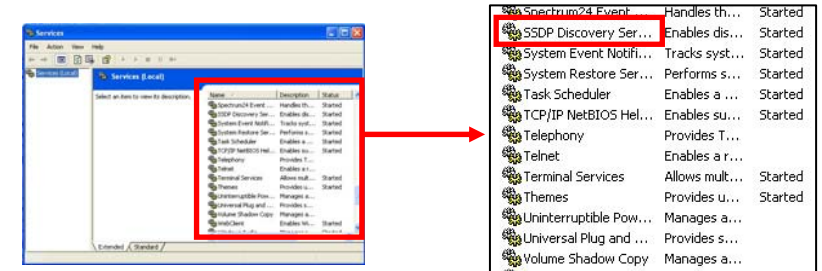
10. Using UPnP to Connect to the Camera

NOTE: If your operating system is Windows 98/ 2000, UPnP is not available.

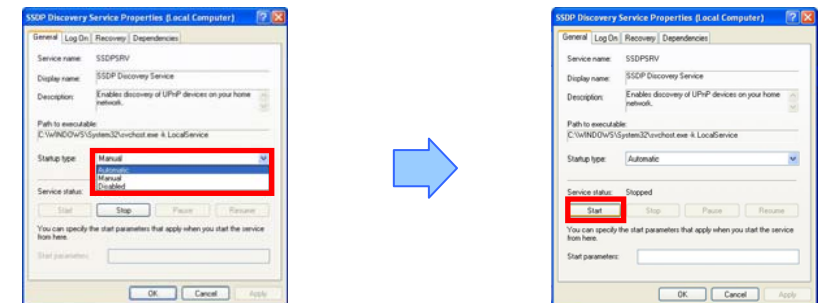
Step 1: Confirm the UPnP function of camera has been enabled (refer to 8.3.8).

Step 2: Follow the steps below to enable UPnP for Windows ME/ XP.

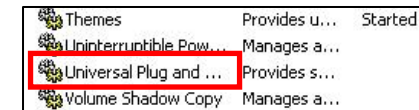
- Click "Start" → "Setting" → "Control Panel" → "Administrative Tools" → "Services".
- In the "Services" window, double-click the service "SSDP Discovery Service".



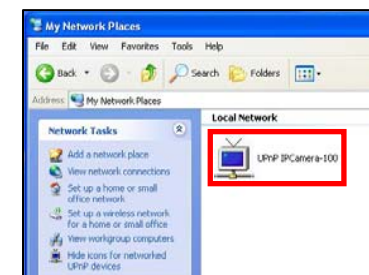
- Select "Automatic" in the "Startup type" item, and click "Start" to start the service. Click "OK" to quit.



- Repeat the steps above to start the "Universal Plug and Play" service.



Step 3: Open the "My Network Places" on the desktop, click the "UPnP IP Camera-100" to connect directly the camera. (The last digits "100", represent the fourth octet of your camera's IP address)



11. View the Camera from iPhone

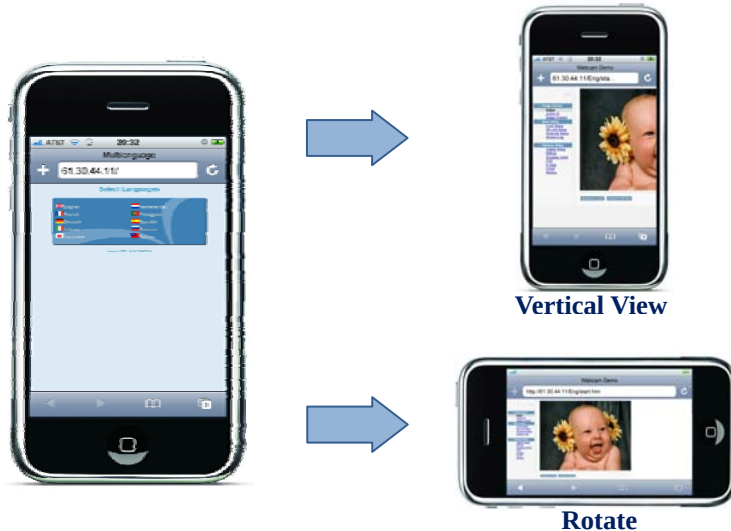
Step 1: Assign your IP Camera an IP address and make your IP Camera accessible through the Internet.

Step 2: Connect your iPhone to the network via 3G or Wi-Fi (refer to your user's manual of iPhone for detail about network setting).

Step 3: Touch the Web browser icon for opening the browser. Enter the URL that you assign to your IP Camera (we use IP in this case). Then the IP Camera will ask you user name and password for authentication.



Step 4: After login into the IP Camera, you might select the language you want to use. And you might also rotate your iPhone for a wider view.



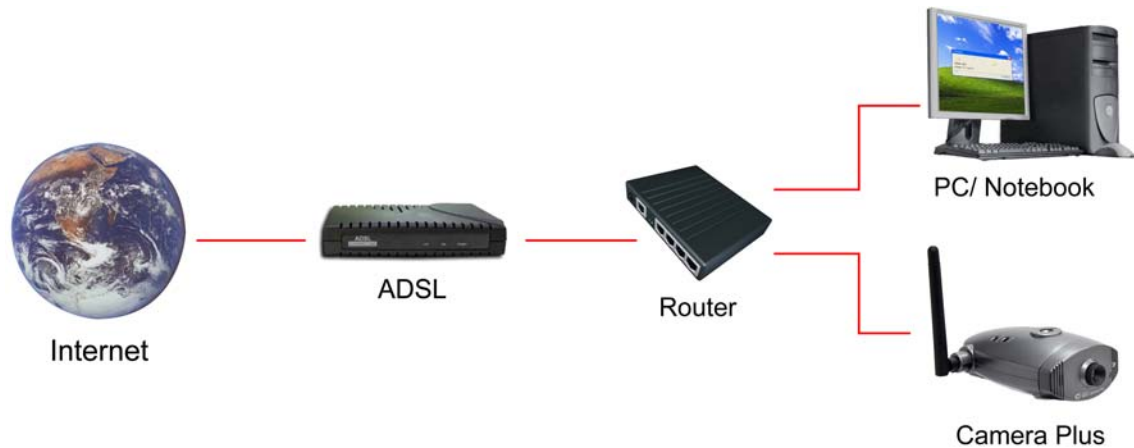
12. Troubleshooting

Situation	Check Point
The focus is bad	1. Adjust the camera's image quality through the configuration menu (refer to page 9). 2. Adjust by turning clockwise or counter-clockwise the focus manually.
Noisy Image	1. If the camera works in dim environment, the images might be noisy. You need more lighting, or set the light source to Omnibus mode (refer to page 9).
No images available through Web browser	1. Confirm the ActiveX has been enabled (refer to page 5). 2. Confirm the version of your Internet Explorer. If the version number lower than 5, you need to upgrade it.
Can't connect externally (can work locally)	1. This might be caused by the firewall protection. Check the internet firewall with your system administrator. 2. Refer to page 20 for more information about connecting multiple cameras to a router.
Forgot the login user name and password	1. Press continuously the default button on the top of the camera about 5 seconds to restore the factory default settings. Default User Name: root Default Password: admin Default IP Address: 192.168.1.100
Wireless network not working (only for Grand Wi-Fi Camera Plus)	1. Confirm the WLAN Setup has been set correctly refer to page 11). 2. Confirm the Wireless/ RJ-45 switch (on the right side of camera) has been switched to Wireless mode. 3. Ensure that you wireless router supports 802.11b/g. 4. Adjust the wireless antennas for better signal reception.

Dynamic DNS Online Help

Chapter 1 Router(with DDNS function)+IP Camera

We suggest you use the Router to setup the DDNS function
The system map likes the following



ADSL + Router (with DDNS function) + IP Camera

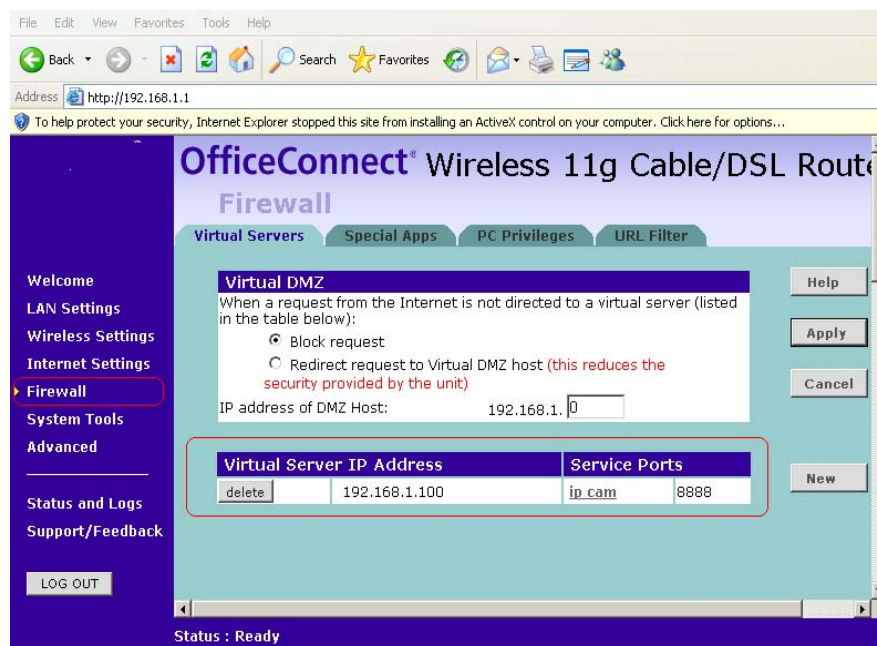
1. Connect to your router and setup the DDNS function

The screenshot shows the configuration interface of a 'Wireless 11g Cable/DSL Router'. The 'DDNS' tab is selected in the top navigation bar. On the left, a sidebar menu has 'Advanced' highlighted. The main content area is titled 'DDNS Mode' and contains the following fields:

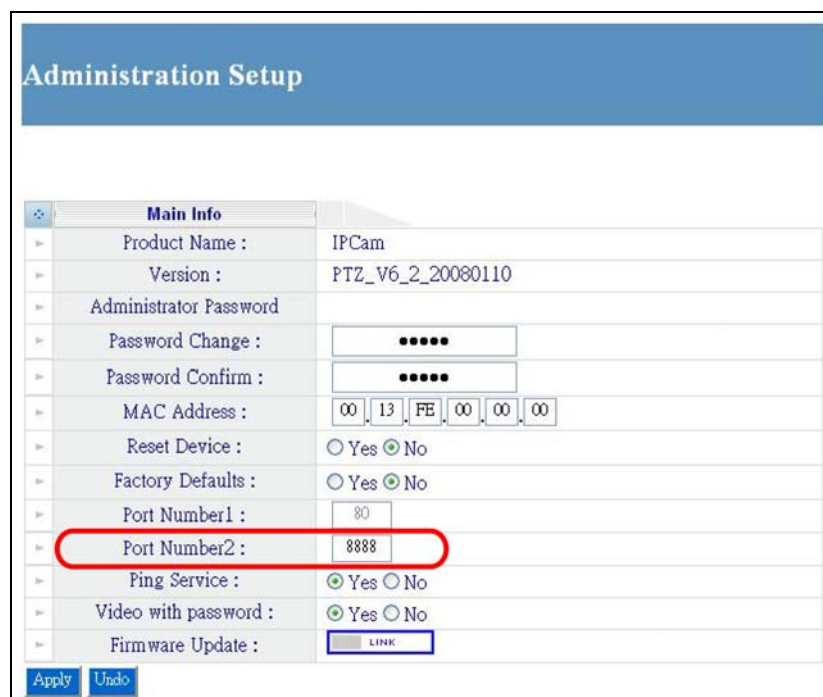
- DDNS Service:** A dropdown menu showing 'DynDNS.org'.
- Service Configuration:**
 - Host Name:** 'abc.dyndns.org'
 - Username:** 'HelloTest'
 - Password:** 'XXXXXXXX'

Buttons for 'Help', 'Apply', and 'Cancel' are located to the right of the configuration fields. At the bottom left of the sidebar, there is a 'LOG OUT' button.

2. Setup your firewall or gateway, and assign a Local Virtual IP:192.168.1.100 and open a port 8888 for the IP Cam, the following figure is just a example.

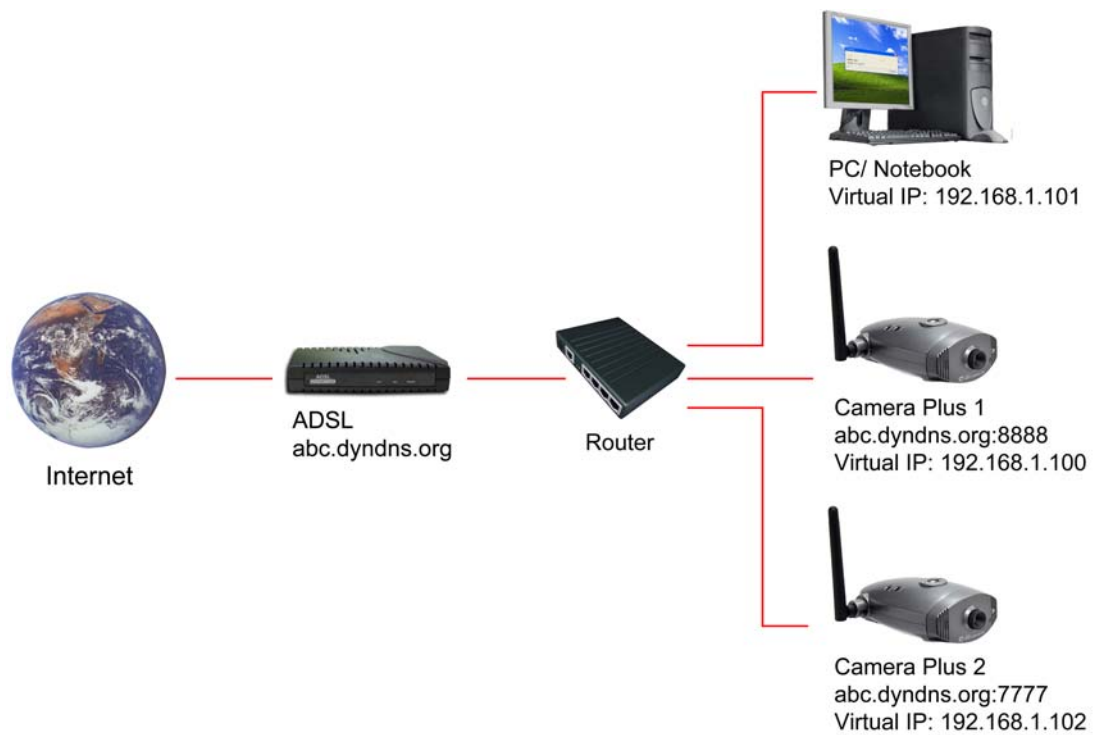


3. In this Page “Administrator Setup”, assign a port number in the **Port Number2** field for the IP Cam (ex. 8888)



4. In the Remote Computer, please open the Internet Explorer and input the IP address: <http://abc.dyndns.org:8888>

5. If there are more than one IP Cameras: likes the following map



Chapter 2 IP Camera(with DDNS Function)

1. Please connect to <http://www.dyndns.org/>
2. If you own one account, please login or you need to sign up a new one.

User: Password:

[Lost Password?](#) | [Sign Up Now](#)

3. Connect to the Page” [My Services...](#)” and click Add Zone Services

Zone Level Services

[Add Zone Services](#)

No zone level service items registered.

4. Add Dynamic DNS Host

Dynamic DNS (?)	Add Dynamic DNS Host
Static DNS (?)	Add Static DNS Host
WebHop (?)	Add WebHop
MyWebHop (?)	Add MyWebHop
Network Monitoring (?)	Add Network Monitoring

5. Select a DNS server. We suggest “dyndns.org”
6. Input a Hostname ex: abc
7. If you own s Dynamic IP Address, you can ignore the “IP Address Item”
8. you can ignore those Items “IP Address”, “Enable Wildcard”, “Mail Exchanger”, “Backup MX”
9. Add Host

New Dynamic DNSSM Host

Hostname:	abc	dyndns.org
IP Address:		
Enable Wildcard:	☐	
Mail Exchanger (optional):		☐ Backup MX?
		Add Host Reset Fo

10. Setup IP Camera Dynamic DNS Page

Main Info	
Dynamic DNS :	☒ Enable ☐ Disable (Not Update)
Domain Name :	abc.dyndns.org
User Name :	HelloTest
Password :	
Server :	members.dyndns.org
IP Server :	

Apply Undo

(Important: the server must be "members.dyndns.org")

11. Click Apply and wait about 5 minute to update the IP Address Automatically

12. Connect to <http://abc.dyndns.org>

13. If you can't connect to the IP Camera, **Please reboot the IP Camera** and wait about 5 minute to update the IP Address Automatically.

14. Try the Command "Ping " to get the new IP Address

```
ping abc.dyndns.org
C:\Windows\system32\cmd.exe
C:\Windows\system32\cmd.exe>ping abc.dyndns.org.
Pinging abc.dyndns.org [61.30.44.13] with 32 bytes of data:
Reply from 61.30.44.13: bytes=32 time=144ms TTL=51
Reply from 61.30.44.13: bytes=32 time=25ms TTL=51
Reply from 61.30.44.13: bytes=32 time=98ms TTL=51
Reply from 61.30.44.13: bytes=32 time=31ms TTL=51
abc.dyndns.org
Ping statistics for 61.30.44.13:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 25ms, Maximum = 144ms, Average = 74ms
```

15. If the IP address cannot be updated, **Please reboot the IP Camera**, or check the ID, password, Server (members.dyndns.org), and Domain name.

Surveillance Software – WalkGuard 7.0

User Manual

1. Introduction

The WalkGuard 7.0 product is Windows based (compatible with Windows 2000/ XP/ Vista) applications that manage networked IP/ Wi-Fi cameras.

The WalkGuard 7.0 allows you to view multiple cameras (1/ 4/ 9/ 16) and record in DivX format, and includes motion detection function and alarm functions. The WalkGuard 7.0 is an ideal solution for IP/ Wi-Fi camera.

2. Features

1. DivX Capture (v6.5.1)
2. Video File Management: Video file database and playback control.
3. Storage Recyclable: When running out of disk space, files with the earliest date will be overwrite automatically.
4. Motion Detection: Detect any movement in the mask area and invoke the alarm as soon as movement is detected.
5. Supports 4/ 9/ 16 cameras preview and record.
6. Multi-Languages OSD: English/ French/ German/ Italian/ Dutch/ Spanish/ Russian/ Japanese/ Traditional Chinese.
7. Compatible with **Windows 2000, XP and Vista.**

	Preview	Recording
Resolution	640 x 480	NTSC:320 x 240
Frame Rate	15 – 30 frames	15 – 25 frames
HD requirement	3~5GB /24hour	

3. System Requirements

1. Operating System: Microsoft Windows XP/ Vista.
2. **Processor**
 - Pentium 4 2.4GHz or above (running on Windows XP/ Vista 32bit)
 - Pentium D 3GHz or above (running on Windows Vista 64bit)
3. **RAM**
 - 512MB RAM or above (running on Windows XP/ Vista 32bit)
 - 1GB RAM or above (running on Windows Vista 64bit)
4. 4 GB HD space

4. Software Installation

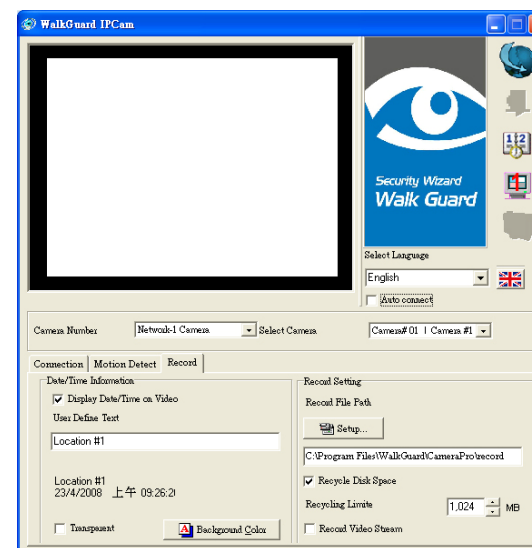
4.1 Install the Software

Insert the CD Driver to your CD-ROM driver, and a pop-up window will appear. Click the “**Install WalkGuard**” item to install.



4.2 Starting the WalkGuard

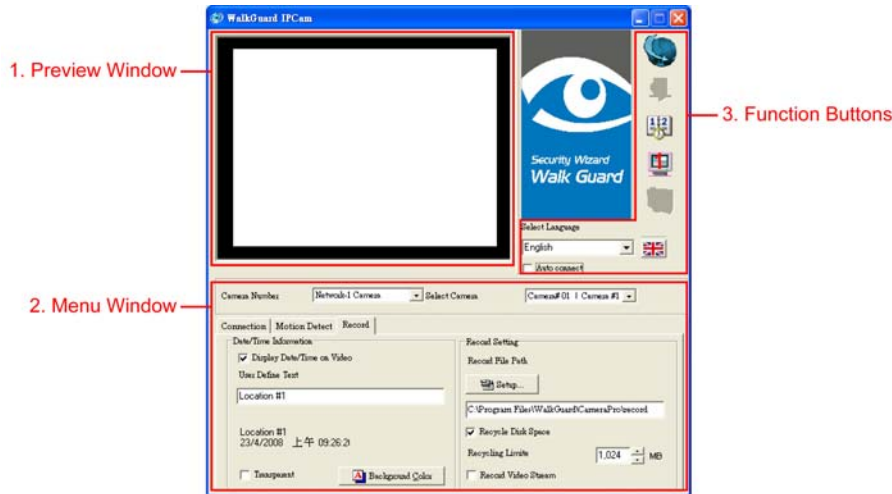
Execute the **WalkGuard** on the desktop, and the following screen is displayed.



5. Using the WalkGuard

5.1 Interface

There are three parts: **Preview Window**, **Menu Window** and **Function Button**.



5.2 Menu Window

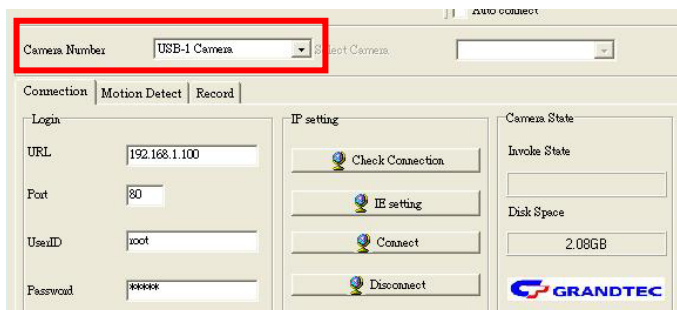
There are three main options for setup: **Connection**, **Motion Detect** and **Record**.

5.2.1 Connection

■ Login (for setting the camera connection)

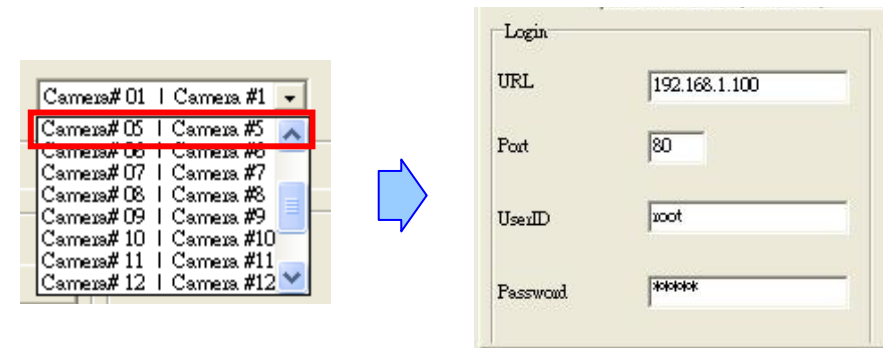
Step 1: Select the number of cameras (1/ 4/ 9/ 16) and camera mode (USB Cam/ Internet Cam).

NOTE: The Grand IP/ Wi-Fi Camera Plus not support USB camera mode.



Step 2: Enter your camera's **IP Address**, **Port**, **User ID** and **Password**. If there is more than one camera, please select and set the others.

Ex. Select Camera 5, and enter the **IP Address**, **Port**, **User ID** and **Password**.

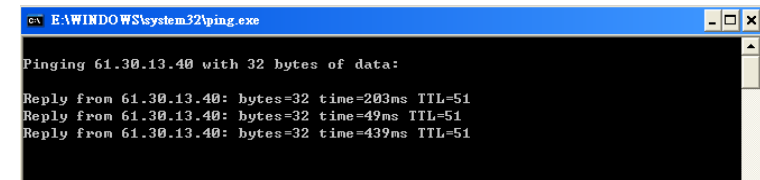


■ IP Setting

Check Connection: Click the **Check Connection** button to confirm the IP address conflicts with the camera over the network.

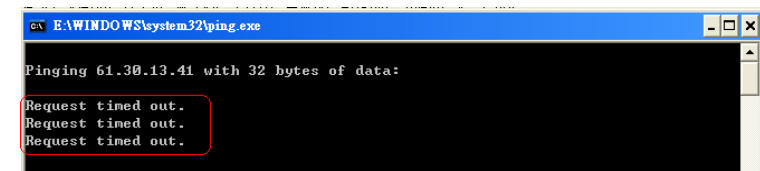


- If the camera set online, you will see the following:

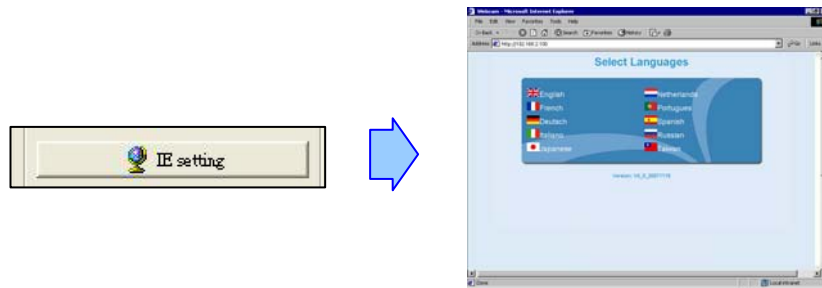


- If the connection has failed, you will see the following:

NOTE: Refer to Camera's User Manual for more detail to solve the problem.



IE Setting: Click the button to open the **Web Configuration** of the camera directly.
(refer to Camera's User Manual for more detail about Web configuration settings)



Connect: Click the button to connect the camera directly, the image of camera will display in the preview window.



Disconnect: Click the button to disconnect the camera immediately.



■ Camera State

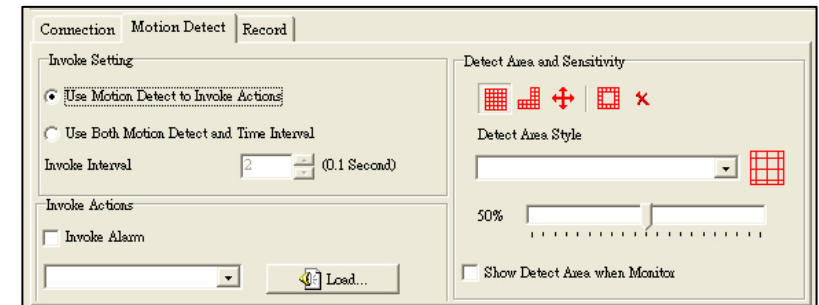
Invoke State: Display the system state (ready or recording).

Disk Space: Display the disk space remaining.



5.2.2 Motion Detect

NOTE: Connect to a camera before setting the Motion Detect.



■ Invoke Setting (set the recording mode)

Use Motion Detect to Invoke Actions: Start recording while detecting motion.

Use Both Motion Detect and Time Interval: Start recording while detecting motion, and the system will also record at the interval time that you set (you need set the interval time).

■ Invoke Action

To enable/ disable the invoke alarm, and select the kind of sound. You can also click the **Link** to select your sound (supports wav format).

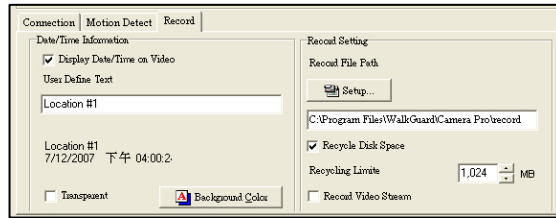
Detect Area and Sensitivity

	Click the icon to directly add detect area on the preview window.
	Click the icon to directly remove detect area on the preview window.
	Click the icon to select all block
	Click the icon to invert detect area.
	Click the icon to clear all detect areas.

Detect Area Style: Select the style of detect area.

Motion Sensitivity: 0% (least sensitive)~ 100% (least sensitive)

5.2.3 Record



■ Date/ Time Information

Display Date/ Time on Video: Turn on/ off the message of date and time on the left-up of the video.

User Default Text: Enter the title for each camera.

Transparent: Select the background color of text.

■ Record Setting

Record File Path: Click the **Setup** icon to change the folder path.

Recycling Disk Space: The earliest video file will be deleted when running out the recycling disk space that you set.

Record Video Stream: Start/ stop recording immediately.

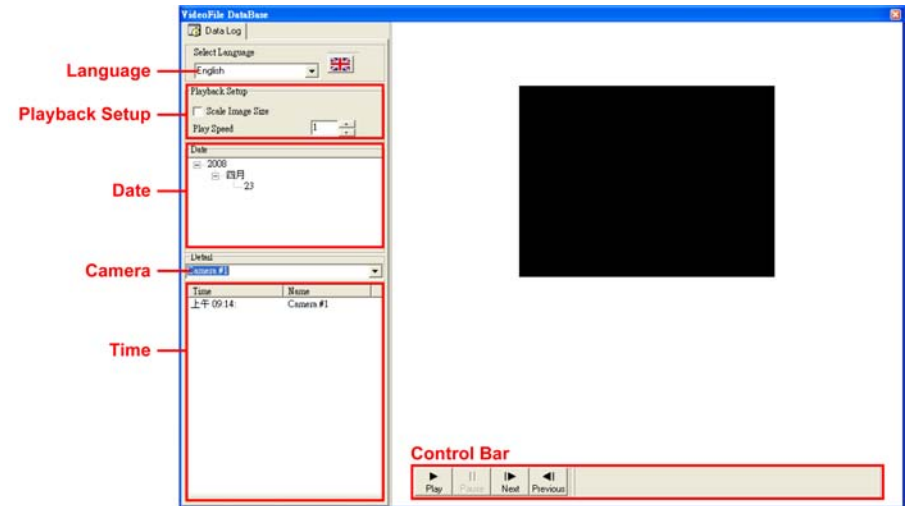
5.3 Function Buttons



- **Language:** Select the OSD language.
- **Auto Connect:** Enable/ disable the auto connect function while starting the system.
- **Connect:** To connect the camera.
- **Disconnect:** To disconnect the camera.
- **Database:** To open the Database window (refer to 5.4).
- **POP Window:** To open a 1/ 4/ 9/ 16 preview window (full screen).
- **Snapshot:** To capture the current image and save to bmp format.

5.4 Using the Database

This application software is a powerful database manager. All the recorded files will be stored in this database. You can play the recording file. The invoke action (motion detection or time interval) will create a new log and record on the tree manager.



- **Language:** Select the OSD language.
- **Playback Setup**
 - **Scale Image Size:** Adjust the screen size of playback.
 - **Play Speed:** Adjust the speed of playback.
- **Date:** Select the date (year/ month/ day).
- **Camera:** Select the camera you want to play.
- **Time:** Select the time you want to play.
- **Control Bar:** Use the buttons for playback.

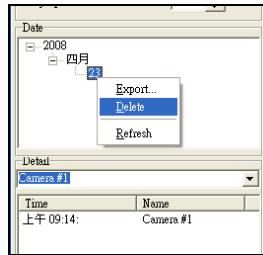
5.4.1 Playing the File

Select the **Date**, **Camera** and **Time** you want to play, and click the **Play** button to play.

Use the other buttons (pause/ next/ previous) to control while playing.

5.4.2 Delete/ Export the Files

Right Click on the **Year**, **Month**, **Day** or **Time** and a pop-up window will appear.



- Select the “Export” item to export this file to another location.
- Select the “Delete” item to delete this file.
- Select the “Refresh” item to refresh the Data Log.

NOTE:

1. If you want export or delete all the files of the year, right click on the **Year** directly, and select **Export** or **Delete** item.
2. If you only want export or delete one of the files, right click on the **Time** directly, and select **Export** or **Delete** item.